

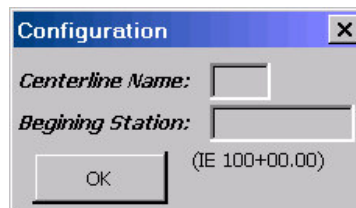
WSDOT Station Utilities

Station Utilities will allow you to calculate stations and offsets quickly and accurately, it will also allow you to place objects with station and offset values.



Configuration:

You will first need to Configure Station Utilities and the centerlines in your base map. Click on the **Config** button.



You may configure multiple centerlines in each base map by going through the Config process below for each centerline.

Configuration Process:

- Click the Config button from the main menu.
- Type in the 2 letter centerline designation (IE "LL")
- Type in the beginning station, in station format. (IE "100+00.00")
- Select the OK button.
- Data point to select the centerline that you wish to configure.

Station And Offset Operation:

After your centerline(s) have been configured you are ready to use the Station Offset utilities. The Station Offset command has many functions to consider.

Basic Use:

- a) Click the Station Offset button from the main menu.
- b) Data point on the centerline you need a station and offset from.
- c) Snap to the element you want the station offset information for **or** Data point on the screen for station and offset information of that point.
- d) Accept the tentative snap point.
- e) The station and offset information will show up at the bottom of the main menu as well as on your status bar at the bottom of the screen.

Advanced Use:

Placing Station And Offset Information in the DGN File as Text:

Toggle on the “Place Station & Offset” switch and go through step a-e of “Basic Use”.

Exporting Data To Excel:

- a) Toggle on the “Open Export” button on the main menu. This will open an Excel Spreadsheet.
- b) Toggle on the “Export” switch.
- c) **Optional** - Type in a note if you wish for the element you are getting information for. (IE “Begin Culvert”)
- d) Go through step a-e of “Basic Use”

Once you choose the Open Export button it will be grayed out. The purpose of this is so that you do not open more than one instance of Excel. You can save the current Excel spreadsheet you are working in, close the Station Utilities and re-open Station Utilities to set up another Export Session. Once the session is open you can toggle on and off the export function, this allows you to first verify the information you want to export.

Placing Objects By Station And Offset Operation:

This command allows you to place an active point or active cell by Station and Offset.

Basic Use:

- a) Type in the Station in the text box on the main menu.
- b) Type in the offset in decimal feet and the direction (IE “LT or RT”) in the text box on the main menu.
- c) Choose between Active Point or Cell. If you choose cell at this point, make the cell you want to place active.
- d) Click on the “Place Object” button on the main menu.
- e) Data point on the Centerline you wish to place an object from.